



PATENT SPECIFICATION

EXAMINER'S
COPY
DIV. 39
491,391

Application Date : March 11, 1937. No. 7184/37.

Patent of Addition to No. 466,806. Dated Dec. 5, 1935.

Complete Specification Accepted : Sept. 1, 1938.

COMPLETE SPECIFICATION

Improvements in and relating to Water Supply Fittings for Baths and the like

We, PEGLERS, LIMITED, a Company incorporated under the Laws of Great Britain and Northern Ireland, and ANDREW BIRCHALL, a British Subject, both of Belmont Works, Doncaster, in the County of York, do hereby declare the nature of this invention and in what manner the same is to be performed, to be particularly described and ascertained in and by the following statement:—

This invention relates to water supply fittings for baths and the like and is an improvement in or modification of the invention or our prior application for Letters Patent No. 33766 dated the 5th December 1935 wherein is described a water supply fitting for baths and the like of the kind employing separate hot and cold water inlet supply pipes for conveying hot and cold water under the control of valves to a mixing chamber in the fitting having a discharge outlet, the said inlet pipes each having a bend and being so connected to the fitting as to be capable of being swivelled when assembling the fitting in position upon a bath or the like whereby the distance apart of said inlet pipes at their ends remote from the fitting can be adjusted so as to register with the holes in the bath or the like in which they are to be secured for supporting the fitting in position.

The features of construction claimed in the specification of our said prior invention include two separate mixing chambers each having an outlet arranged intermediate of two valves controlling respectively a hot water inlet and a cold water inlet to the mixing chamber, the hot water inlets of the two chambers being coaxially arranged and connected with each other in open communication with a hot water inlet pipe and the cold water inlets being coaxially arranged and connected with each other in open communication with a cold water inlet pipe.

In such immediately before described construction the cranked hot and cold water inlet pipes are each a rigid unitary structure in which the entrant and outlet orifices have vertical axes and for this reason the inlet pipes have to pass through

holes in a horizontal surface so that the fitting can only be secured to the scroll or flange of a bath.

An object of this invention is to provide improvements whereby the fitting may be secured either inside the bath or be fitted to a wall or other surface adjacent the bath.

A further object is to provide for adjustment of the inlet pipes to suit the distances apart of the supply connections therefor over a much wider range.

According to the present invention therefore the hot and cold water inlet pipes are each provided with an inlet orifice having its axis arranged at an angle to the axis of its outlet orifice.

The said inlet orifice may be formed in a separate connecting member coupled to the remaining portion of the pipe so as to be capable of swivelling with respect thereto.

The connecting member may be secured by studs passing axially through a portion thereof and having screw thread engagement with a wall of the remaining portion of the pipe.

Referring to the drawings filed herewith:—

Fig. 1 is an elevation, half in section, of one form of fitting made in accordance with this invention.

Fig. 2 is a sectional plan on the line X—X, Fig. 1.

a is a mixing chamber having a hot water inlet *b* at one end and a cold water inlet *c* at the other end controlled by valves at *d* and *e*, respectively, which also control the outlet *f* to a bath. Oppositely disposed to the mixing chamber *a* is another mixing chamber *g* having hot and cold water inlets *h* and *j* coaxial, respectively, with the inlets *b* and *c*, the said inlets *h* and *j* being controlled, respectively, by valves at *k* and *m* which also control an outlet *n* from the mixing chamber *g* to a shower.

o and *p* are hot and cold water inlet pipes, respectively, which have elbow bends *q* and tee sockets *r* and *s*, the sockets *r* having a swivel connection with the two hot water inlets *b* and *h* and the socket *s* having a swivel connection with the two

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- could water inlets *c* and *j*, the screw
 5 threaded studs *t* and *v* engaging integral
 chamber and having heads *x* for securing
 6 the several parts in correct position.
 The pipes *o* and *p* are each provided
 10 with an auxiliary swivelling elbow bend
 2 screw threaded at its outer end for
 connection to the requisite supply pipe
 10 entering the bath side or a wall. These
 auxiliary elbow bends *z* are secured to
 15 their respective pipes *o* and *p* by means
 of screwed studs *3* engaging integral lugs
 4 formed interiorly of the pipes *o* and *p*,
 the studs projecting exteriorly of the
 15 bends *z* to receive securing heads *5* which
 are adapted to permit swivelling move-
 20 ment of the said bends.
 It will be seen in the example illus-
 20 trated that the manner of securing the
 auxiliary swivelling bends *z* to the
 25 swivelling pipes *o* and *p* is effected in a
 similar manner to that in which the pipes
 25 *o* and *p* are secured to the inlets of the
 mixing chambers.
 A fitting made in accordance with this
 30 invention can be readily secured to either
 a wall exteriorly of the bath or inside
 30 the bath and owing to the swivelling
 movement of both the pipes *o* and *p* and
 35 that of the auxiliary bends *z* a wide range
 of adjustment of the bends is possible to
 enable their connection to be made to the
 35 supply pipes at various distances apart.
 Having now particularly described and
 ascertained the nature of our said inven-
1. The improvement in, or modification
 40 claim is:—
 of, water supply fittings for baths and
 the like claimed in the specification of
 45 our prior application for Letters Patent
 No. 33766 dated the 5th December, 1935
 which consists in providing the inlet
 50 orifices of the cranked inlet pipes at an
 angle to their outlet orifices.
 2. A water supply fitting for baths and
 the like according to Claim 1 wherein the
 50 inlet orifices of the inlet pipes are formed
 in cranked auxiliary connecting members
 coupled to the remaining portions of the
 said pipes so as to be capable of
 55 swivelling with respect thereto.
 3. A water supply fitting for baths and
 the like according to Claim 2 wherein the
 60 auxiliary connecting members are secured
 therethrough and having screw thread
 engagement with a wall interiorly of the
 60 said remaining portion.
 4. A water supply fitting for baths and
 the like constructed, arranged and
 65 adapted for use substantially as described
 with reference to, and as illustrated in,
 the accompanying drawings.
 Dated this 11th day of March, 1937.
 MEWBURN, ELLIS & CO.,
 70—72, Chancery Lane, London, W.C.2,
 Chartered Patent Agents,
 and,
 15, York Street, Sheffield, I.

137-577

491,391
DESIGN

491,391 COMPLETE SPECIFICATION

1 SHEET

[This Drawing is a reproduction of the Original on a reduced scale.]

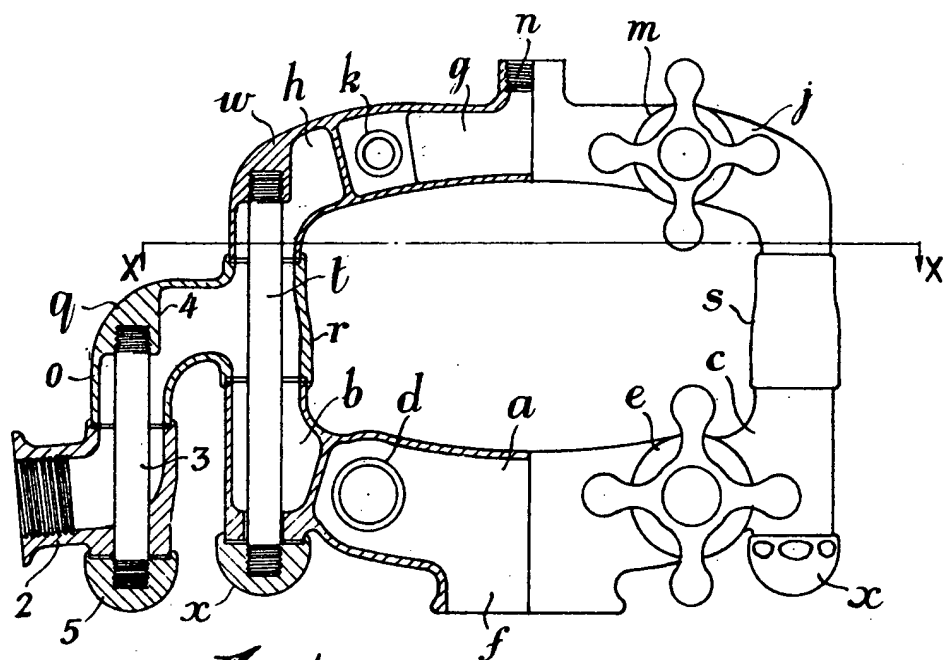


Fig. 1

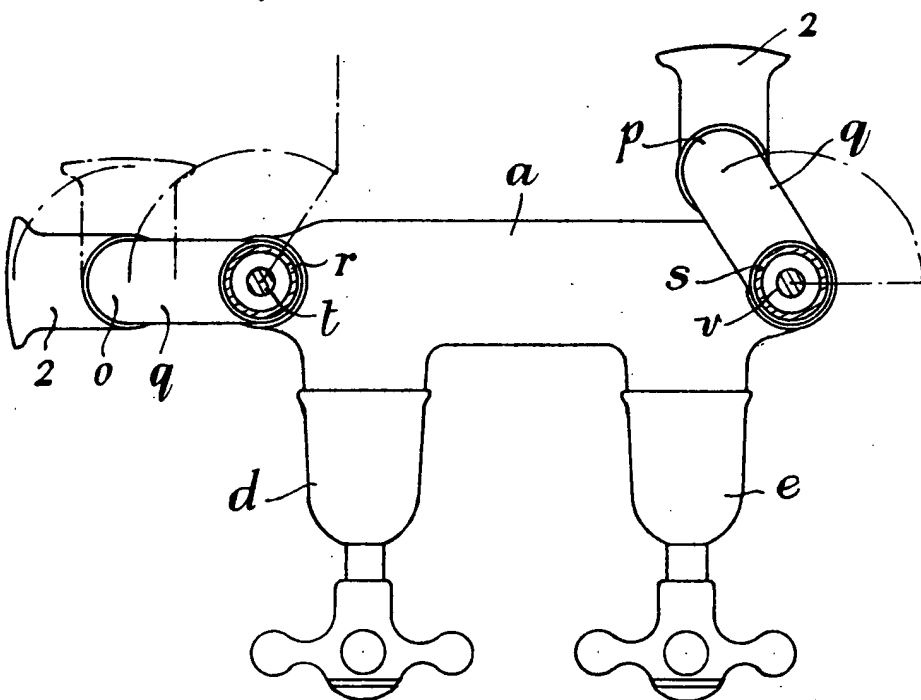


Fig. 2